

INTERNATIONAL SEARCH REPORT

Internatl PCT/	Application No 03/03674
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04B15/04 H02M1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04B H02M H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 249 876 B1 (BALAKRISHNAN BALU ET AL) 19 June 2001 (2001-06-19) the whole document ---	1,2,4,5, 7,8
X	US 5 537 305 A (COLOTTI JAMES) 16 July 1996 (1996-07-16) cited in the application column 4, line 6 -column 4, line 11; claim 7; figure 1 ---	1,2,4,5, 7,8
X	WO 02 19551 A (CIRRUS LOGIC INC) 7 March 2002 (2002-03-07) page 2, line 4 -page 2, line 15; figures 1,2 --- -/--	1,2,7,8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

3 November 2003

Date of mailing of the international search report

12/11/2003

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Internat. Application No.
PCT/ 03/03674

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02, 29 February 2000. (2000-02-29) & JP 11 332230 A (ALINCO INC), 30 November 1999 (1999-11-30) abstract -----	1,8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT, 03/03674

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6249876	B1	19-06-2001	NONE
US 5537305	A	16-07-1996	NONE
WO 0219551	A	07-03-2002	AU 8549101 A 13-03-2002 EP 1314256 A2 28-05-2003 TW 519792 B 01-02-2003 WO 0219551 A2 07-03-2002
JP 11332230	A	30-11-1999	NONE